

US-PAT-NO: 5341436

DOCUMENT-IDENTIFIER: US 5341436 A

TITLE: Nondestructive analysis of
dispersion and loading of
reinforcing material in a
composite material

DATE-ISSUED: August 23, 1994

US-CL-CURRENT: 382/141, 382/168 , 382/286 ,
702/41 , 702/81

APPL-NO: 07/ 973196

DATE FILED: November 6, 1992

PARENT-CASE:

This is a continuation of application Ser. No.
07/606,799 filed Oct. 31,
1990, now abandoned.

----- KWIC -----

Detailed Description Text - DETX (59):

Using the computer to make the above
measurements automatically, each half
of each 4.5".times.0.5".times.0.125" test bar was
examined for a total of 10
measurements per lot, giving a total of 70
measurements. In order to provide
the data necessary for renormalization, the "black"

level and the "white level" were obtained as in Example 1. Next, the measurements were made as follows: Up to 25 of the 35 bars were placed on the X-Y table at a time. After the test bars were placed on the X-Y table and the X-ray source was energized to 42 keV at 87 .mu.A of beam current, the automatic analysis program was started. The X-Y table, which was driven by a motor controlled by the computer, was moved to position the next test bar between the X-ray source and the image intensifier, and a renormalized, digitized electronic image was calculated by averaging 100 video frames from the camera and applying the renormalizing formula as in Example 1.

Current US Cross Reference Classification - CCXR
(1):

382/168